



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090838

Mode: Highway

Status: Submitted

US-601

From/Cross Street: SR 1345 (Blaise Church Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1408 (Cana Road)

Project Category: Regional Impact

Length: 1.52

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$8,778,000

Description:

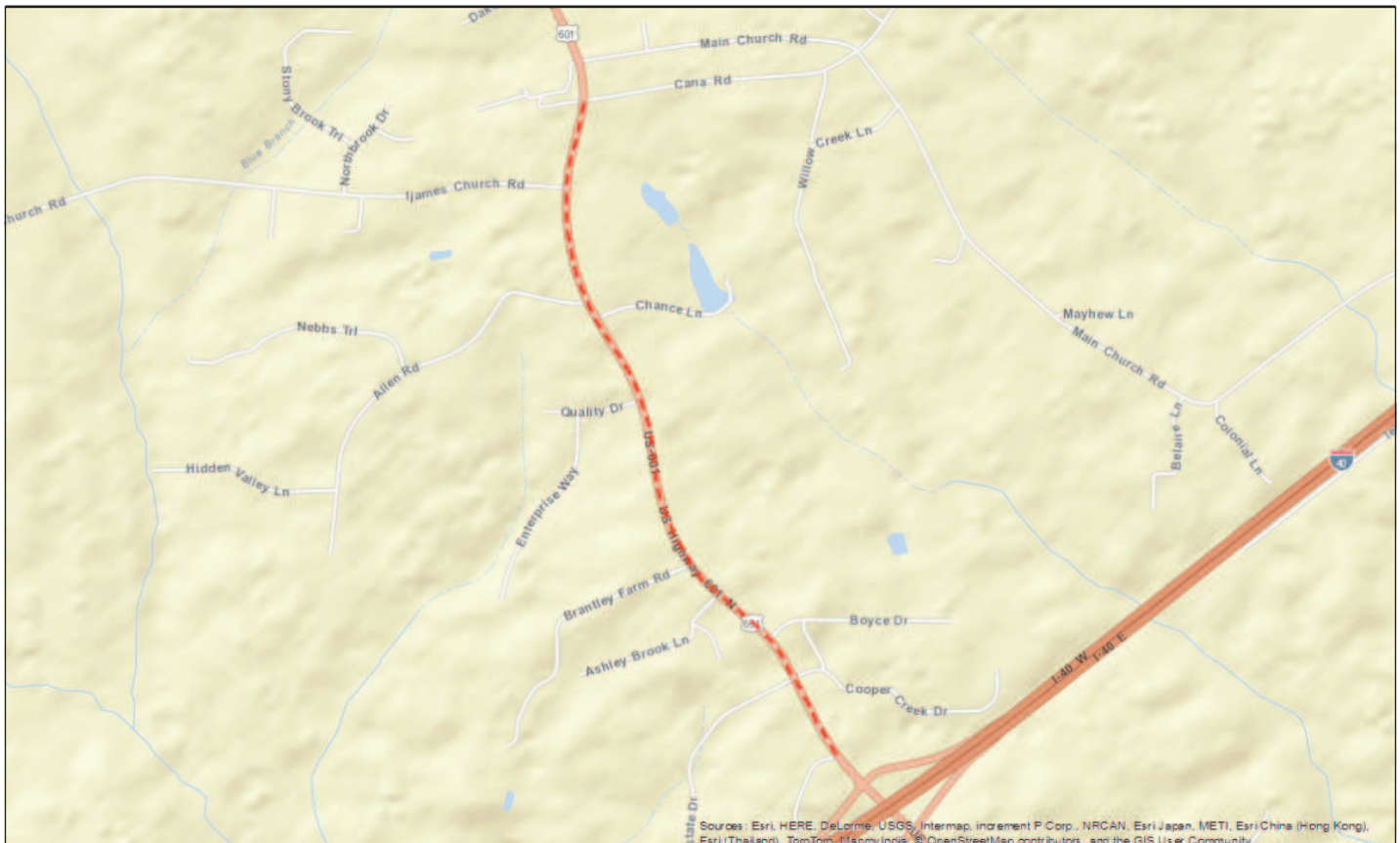
Widen to Multi-Lane Facility from SR 1345 (Blaise Church Road) to Boyce Drive. Widen to 3-Lane Facility from Boyce Drive to SR 1408 (Cana Road).

Division(s): Division 9

County(s): DAVIE

MPOS(s)/RPO(s): Northwest Piedmont RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 50.73

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 33.28	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 92.37		
[Travel Time] Benefit/Cost (25%) 0.26		
Accessibility / Connectivity (10%) 31.09		
Totals: Weight: 70% Weighted Score: 20.73		

Division Needs Total Score: 65.94

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.26	Percent: 25% Points: 100	Percent: 25% Points: 100
Congestion (V/C) (20%) 33.28		
Safety (10%) 92.37		
Totals: Weight: 50% Weighted Score: 15.94		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	1.52
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	7907.69
Capacity:	15756.47
Volume/Capacity Ratio:	0.5
% Autos:	93%
% Trucks:	7%
Truck Volume:	548.08
Crash Density:	99.8
Crash Severity:	77.53
Critical Crash Rate:	99.8
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	99
Actual Congested Speed:	48
Travel Time Index:	1.15

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	55
Length (miles):	1.52
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	102292.25
Travel Time Savings for 30 Years (Autos):	95202.43
Travel Time Savings for 30 Years (Trucks):	7089.82
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 9	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Northwest Piedmont RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$6,042,000	TIP Unit
Right-of-Way Cost:	\$2,443,000	Cost Estimation Tool
Utilities Cost:	\$293,000	Cost Estimation Tool
Total Project Cost:	\$8,778,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$8,778,000	